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(54) Title: INHIBITING CAV3 ISOFORMS AND THE 825B SPLICE VARIENTS FOR THE DIAGNOSIS AND TREATMENT OF CANCER

(57) Abstract: The invention provides a pharmaceutical composition comprising an antibody that specifically binds to a Cav3 isoform or its δ25 splice variants thereof. The present invention also relates to compositions and methods for inhibiting cancer cell proliferation, preventing, treating and/or controlling cancer and/or related disorders in a patient by administering to the patient a therapeutically effective amount of the T type calcium channel selective inhibitor. A preferred T type calcium channel selective inhibitor is mibepradil.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/04281

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61K 39/395(2006.01),49/00(2006.01);C07K 16/00(2006.01);G01N 33/53(2006.01)

USPC: 424/130.1,9.1;530/387.1;435/7.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/130.1,9.1; 530/387.1; 435/7.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| Y | US 6,191,156 (KIFOR et al) 20 February 2001 (20.02.2001), column 23, lines 10-40. | 1-2, 5 |
| A | US 6,255,457 (SCHNITZER) 3 July 2001 (03.07.2001), see entire document. | 1-15 |
| A | SONG et al Expression of Caveolin-3 in Skeletal, Cardiac, and Smooth Muscle Cells. J. Biol. Chem. June 1996, Vol. 271, No. 25, pages 15160-15165, see entire document. | 1-15 |

Further documents are listed in the continuation of Box C.

See patent family annex.

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| "P" document published prior to the international filing date but later than the priority date claimed | | |

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